

## CLAIMS

Sub A1 1. A system for generating a panoramic mosaic image pair comprising left and right panoramic  
 2 mosaic images for use in facilitating panoramic stereoscopic viewing of a scene, comprising left and  
 3 right panoramic image generators each configured to generate the left and right panoramic mosaic  
 4 images from a series of images corresponding to respective positions, each image having a respective  
 5 left and right image portion, and to mosaic portions of those images together to form the respective  
 6 left and right panoramic images.

2. A system as defined in claim 1 in which each respective position corresponds to a change in  
 angular orientation.

Sub A2 3. A system as defined in claim 1 in which each respective position corresponds to a translational  
 position

4. A system as defined in claim 1 further comprising an image generator for generating said series  
 of images.

5. A system as defined in claim 4 in which said image generator generates said series of images  
 using a predetermined computer graphic technique.

1 6. A system as defined in claim 4 in which said image generator comprises a camera rig configured  
2 to record images of a scene.

Sub A3 1 7. A system as defined in claim 6 in which said camera rig records said series of images, and the  
2 left and right panoramic image generators utilize portions of the images in generating the left and  
3 right panoramic images.

1 8. A system as defined in claim 7 in which said camera rig comprises separate image records for  
separately recording images used by the left and right panoramic image generators.

2 9. A system for displaying a stereo panoramic image to a viewer, said system comprising respective  
3 left and right display element configured to display left and right panoramic images of a scene to said  
viewer such that one of said images is viewed by each of said viewer's eyes.

4 10. A system as defined in claim 9 in which each of said left and right display elements comprises  
a display device configured to be placed in front of a respective one of the viewer's eyes, and a  
display control for displaying the left and right panoramic images in registration with each other so  
as to provide a stereoscopic panoramic view of the scene.

1 11. A system as defined in claim 10 in which said display control enables the viewer to control the  
2 position of the panoramic view.

- 1 12. A system as defined in claim 9 in which said left and right display element includes a plurality  
2 of projectors each configured to project one of said left and right panoramic images overlapping on  
3 a screen, and an arrangement for facilitating transmission of a respective one of said images to each  
4 of the viewer's eyes.

ADD A4

ADD  
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